

## HUNTER MARTIN & ASSOCIATES, INC.

ENGINEERS & SURVEYORS
3220 Lone Oak Road, Paducah, KY 42003 \* (270) 554-2737 \* FAX (270) 554-2738
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## **OHIO COUNTY WATER DISTRICT**

## SERIES III WATER SYSTEM IMPROVEMENTS PRELIMINARY PROJECT COSTS (AFTER BIDDING)

CONSTRUCTION COSTS (LOW BID FOR LABOR & MATERIALS)	February 28, 2003						
AVERAGE OF \$6.35833 PER LF FOR A TOTAL OF 180,475 LF OF 4", 6", 8" & 10" PIPE		& MATERIA	LS)				
Basic Engineering Fee   Preliminary Basic (10% Of Basic)   7.960%   \$9,134.26   Design Basic (60% Of Basic)   7.960%   \$54,805.57   Bidding/Award (10% Of Basic)   7.960%   \$9,134.26   Construction Basic (20 % Of Basic)   7.960%   \$18,268.52   Inspection   4.252%   \$48,792.56   Extra (Hourly As Needed)   Surveys   \$3,000   Easements   \$2,000   Permits   \$1,000   Shop Drawings Manual   \$500   Financing Assistance   \$7,000   Psc Rate & Construction Case   \$10,500   Subtotal - Extra   \$24,000.00   TOTAL TECHNICAL   164,13.   PLANNING & ADMINISTRATIVE   15,000   DISTRICT IN-HOUSE EXPENSES:   Furnish Meter, Boxes, & Valves For Reconnects   124 Estimated   \$350.00   \$43,400.00   43,400.00   EGGL   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   15,000   Elegal   Elegal   15,000   Elegal   15,							
Basic Engineering Fee   Preliminary Basic (10% Of Basic)   7.960%   \$9,134.26   Design Basic (60% Of Basic)   7.960%   \$54,805.57   Bidding/Award (10% Of Basic)   7.960%   \$9,134.26   Construction Basic (20 % Of Basic)   7.960%   \$18,268.52   Inspection   4.252%   \$48,792.56   Extra (Hourly As Needed)   Surveys   \$3,000   Easements   \$2,000   Permits   \$1,000   Shop Drawings Manual   \$500   Financing Assistance   \$7,000   Psc Rate & Construction Case   \$10,500   Subtotal - Extra   \$24,000.00   TOTAL TECHNICAL   164,13.   PLANNING & ADMINISTRATIVE   15,000   DISTRICT IN-HOUSE EXPENSES:   Furnish Meter, Boxes, & Valves For Reconnects   124 Estimated   \$350.00   \$43,400.00   43,400.00   EGGL   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   Elegal   15,000   Elegal   Elegal   15,000   Elegal   Elegal   15,000   Elegal   15,							
Preliminary Basic (10% Of Basic)	<u>TECHNICAL</u>						
Design Basic (60% Of Basic)   7.960%   \$54,805.57     Bidding/Award (10% Of Basic)   7.960%   \$9,134.26     Construction Basic (20 % Of Basic)   7.960%   \$18,268.52     Inspection   4.252%   \$48,792.56     Extra (Hourly As Needed)	Basic Engineering Fee						
Bidding/Award (10% Of Basic)   7.960%   \$9,134.26     Construction Basic (20 % Of Basic)   7.960%   \$18,268.52     Inspection	Preliminary Basic (10% Of Basic)	7.960%				\$9,134.26	
Construction Basic (20 % Of Basic)   7.960%   \$18,268.52     Inspection   4.252%   \$48,792.56     Extra (Hourly As Needed)     Surveys   \$ 3,000     Easements   \$ 2,000     Permits   \$ 1,000     Shop Drawings Manual   \$ 500     Financing Assistance   \$ 7,000     Psc Rate & Construction Case   \$ 10,500     Subtotal - Extra   \$24,000.00     TOTAL TECHNICAL   164,13.   PLANNING & ADMINISTRATIVE   15,000     DISTRICT IN-HOUSE EXPENSES:   Furnish Meter, Boxes, & Valves For Reconnects   124 Estimated   \$ 350.00   \$43,400.00     LAND, EASEMENTS & PERMITS   9,000     LEGAL   15,000     LEGAL   15,000     LEGAL   15,000     Construction Basic (20 % Of Basic)   7.960%   \$48,792.56     State (Hourly As Needed)   \$48,700     State (Hourly As Ne	Design Basic (60% Of Basic)	7.960%				\$54,805.57	
Inspection		7.960%	I			\$9,134.26	
Extra (Hourly As Needed)   Surveys	Construction Basic (20 % Of Basic)	7.960%				\$18,268.52	
Surveys   \$ 3,000     Easements   \$ 2,000     Permits   \$ 1,000     Shop Drawings Manual   \$ 500     Financing Assistance   \$ 7,000     Psc Rate & Construction Case   \$ 10,500     Subtotal - Extra   \$24,000.00     TOTAL TECHNICAL   164,13:   PLANNING & ADMINISTRATIVE   15,000     DISTRICT IN-HOUSE EXPENSES:     Furnish Meter, Boxes, & Valves For Reconnects   124 Estimated   \$ 350.00   \$43,400.00   43,400     FINANCING & BOND EXPENSES   245,01:   LAND, EASEMENTS & PERMITS   9,000     LEGAL   15,000     LEGAL   15,000     LEGAL   15,000     Contact		4.252%				\$48,792.56	
Easements	Extra (Hourly As Needed)						
Permits	Surveys				-,		
Shop Drawings Manual       \$ 500         Financing Assistance       \$ 7,000         Psc Rate & Construction Case       \$ 10,500         Subtotal - Extra       \$24,000.00         TOTAL TECHNICAL       164,13         PLANNING & ADMINISTRATIVE       15,000         DISTRICT IN-HOUSE EXPENSES:       Furnish Meter, Boxes, & Valves For Reconnects       124 Estimated       \$ 350.00       \$43,400.00       43,400         FINANCING & BOND EXPENSES       245,010         LAND, EASEMENTS & PERMITS       9,000         LEGAL       15,000	Easements						
Financing Assistance							
Psc Rate & Construction Case         \$ 10,500           Subtotal - Extra         \$24,000.00           TOTAL TECHNICAL         164,13:           PLANNING & ADMINISTRATIVE         15,000           DISTRICT IN-HOUSE EXPENSES:         Furnish Meter, Boxes, & Valves For Reconnects         124 Estimated         \$ 350.00         \$43,400.00         43,400           FINANCING & BOND EXPENSES         245,011         245,011         15,000           LEGAL         15,000         15,000         15,000							
Subtotal - Extra       \$24,000.00         TOTAL TECHNICAL       164,13         PLANNING & ADMINISTRATIVE       15,000         DISTRICT IN-HOUSE EXPENSES:       Furnish Meter, Boxes, & Valves For Reconnects       124 Estimated       \$ 350.00       \$43,400.00       43,400         FINANCING & BOND EXPENSES       245,011         LAND, EASEMENTS & PERMITS       9,000         LEGAL       15,000							
### TOTAL TECHNICAL 164,13:    PLANNING & ADMINISTRATIVE 15,000				\$	10,500		
PLANNING & ADMINISTRATIVE         15,000           DISTRICT IN-HOUSE EXPENSES:         Furnish Meter, Boxes, & Valves For Reconnects         124 Estimated \$ 350.00 \$43,400.00         43,400           FINANCING & BOND EXPENSES         245,010           LAND, EASEMENTS & PERMITS         9,000           LEGAL         15,000						\$24,000.00	
DISTRICT IN-HOUSE EXPENSES:           Furnish Meter, Boxes, & Valves For Reconnects         124 Estimated \$ 350.00 \$43,400.00         43,400.00           FINANCING & BOND EXPENSES         245,010.00           LAND, EASEMENTS & PERMITS         9,000.00           LEGAL         15,000.00	TOTAL TECHNICAL						164,135.17
DISTRICT IN-HOUSE EXPENSES:           Furnish Meter, Boxes, & Valves For Reconnects         124 Estimated \$ 350.00 \$43,400.00         43,400.00           FINANCING & BOND EXPENSES         245,010.00           LAND, EASEMENTS & PERMITS         9,000.00           LEGAL         15,000.00	DI ANNING & ADMINISTRATIVE						15,000.00
Furnish Meter, Boxes, & Valves For Reconnects         124 Estimated         \$ 350.00         \$43,400.00         43,400           FINANCING & BOND EXPENSES         245,010           LAND, EASEMENTS & PERMITS         9,000           LEGAL         15,000	FLANNING & ADMINISTRATIVE						15,000.00
FINANCING & BOND EXPENSES         245,01           LAND, EASEMENTS & PERMITS         9,000           LEGAL         15,000	DISTRICT IN-HOUSE EXPENSES:						
LAND, EASEMENTS & PERMITS       9,000         LEGAL       15,000	Furnish Meter, Boxes, & Valves For Reconnects	124	Estimated	\$	350.00	\$43,400.00	43,400.00
LAND, EASEMENTS & PERMITS         9,000           LEGAL         15,000	ENANOINO & BOND EVERNOES						0.45.047.00
<u>LEGAL</u> 15,000	FINANCING & BOND EXPENSES						245,017.00
<u>LEGAL</u> 15,000	LAND. EASEMENTS & PERMITS						9,000.00
CONTINGENCIES 21.87% OF CONSTRUCTION 250,92	<u>LEGAL</u>						15,000.00
CONTINGENCIES 21.87% OF CONSTRUCTION 250,92							
	CONTINGENCIES	21.87% OF CONSTRUCTION					250,927.58
TOTAL PROJECT COSTS 1,890,000	TOTAL PROJECT COSTS						1,890,000.00
	Approximate Number Of Customers						
	Annual Debt Service Average of 5 Years w/ 20% Coverage						\$177,973.20
	Surcharge Per Customer Per Month						\$2.94